TECHNICAL NOTES¹

SURVEY UNIVERSE

The data collected in the fall 2000 Survey of Graduate Students and Postdoctorates in Science and Engineering represent national estimates of graduate enrollment and postdoctoral employment at the beginning of academic year 2000–2001 in all academic institutions in the United States that granted doctorate or master's degrees in any science or engineering field. Included are data for all branch campuses, affiliated research centers, and separately organized components such as medical or dental schools, schools of nursing, public health, etc. The survey universe consisted of 717 reporting units at 596 graduate institutions, including 236 master's-granting institutions and 481 reporting units associated with 360 doctorate-granting institutions.

The National Science Foundation (NSF) has collected data on graduate science and engineering (S&E) enrollment and postdoctoral appointees since 1966. From fall 1966 through fall 1971, data from a limited number of doctorate-granting institutions were collected through the NSF Graduate Traineeship Program, which requested data only on those S&E fields supported by NSF. Beginning with the fall 1972 survey, this data collection effort was assigned to NSF's Universities and Nonprofit Institutions Studies Group and was gradually expanded from 1972 to 1975 to include additional S&E fields as well as all institutions known to have programs leading to a master's or doctoral degree. Due to this expansion, data for 1974 and earlier years are not strictly comparable with 1975 and later data. Technical table 1 shows the number of institutions, reporting units, and departments at each level included in the data, as well as the total enrollment reported for each year between 1966 and 1999. No attempt has been made to inflate the data for 1966–74 to reflect universe totals.

Beginning with the 1984–85 academic year, master's-granting institutions were surveyed on a sample basis. From 1984 through 1987 the survey design was a stratified random sample, with all doctorate-granting institutions, all master's-granting historically black colleges and universities, and all land-grant institutions included in the certainty stratum. The remaining master's-granting institutions were divided into two sample strata on the basis of enrollment size. Data for

sampled institutions for the years 1984–87 were reestimated in 1988 on the basis of 1983 and 1988 data. During the 1989 survey cycle, S&E field definitions were reviewed and some departments were deleted. Data for 1975 through 1988 were adjusted to conform to the revised definitions.

The fall 1988 survey included the entire survey population for the first time since 1983–84. Since 1988, any institutions starting up S&E master's or doctoral programs have been added to the survey universe, and any that have closed all their S&E graduate programs have been deleted. (See Survey Methodology, below.)

Technical tables 2 and 3 present data on departmental coverage by S&E field for doctorate- and master's-granting institutions for the last 8 years surveyed.

SURVEY INSTRUMENTS

The survey questionnaire on which data are reported in this publication is essentially the same as that used for the 1999 collection. In addition to the questionnaire proper, each survey package also included the following:

- an enclosure detailing mailing package contents;
- a flyer explaining NSF's academic S&E surveys;
- a cover letter to survey coordinators at graduate schools or at medical schools;
- a computer-generated List of Departments or Programs (NSF Form 811) specific to each institution surveyed and based on the departments known to exist in the previous survey cycle;
- a "crosswalk" showing National Center for Education Statistics instructional program codes corresponding to each S&E field as defined by NSF;
- a postcard for respondent use acknowledging receipt of the survey and indicating any changes in coordinator name, address, telephone number, or e-mail address;
- an "ID and Password" flyer informing coordinators
 of their IDs and passwords so they could access the
 new NSF-NIH Graduate Student Survey Web-Based
 Data Reporting System; and

¹See http://www.nsf.gov/sbe/srs/sgss/start.htm for a more detailed discussion of the methodology used in this survey.

 an "Accessing NSF Data on the Internet" sheet encouraging coordinators to view last year's data on the Web via the NSF Science Resources Statistics home page.

Survey Methodology

The survey packages were mailed out by November 10, 2000. This was the third year in which schools had the option of reporting data using the NSF-NIH Graduate Student Survey Web-Based Data Reporting System. Four hundred and thirty-six schools chose to report data using the Web system. The final survey universe consisted of 717 reporting units at 596 institutions.

In addition to the verification information cited above, the acknowledgment postcard also requested that institutional coordinators indicate how the data were collected, whether the data were maintained centrally or collected from individual departments, and whether they were derived from a computerized database or hand tabulated. Of the 717 reporting units surveyed, 98.9 percent have provided this information over the past 10 years. The majority of schools report a combination of sources for their data. Over the years, the use of computerized systems has shown a gradual but small increase, while the use of hand tabulation has slowly decreased.

Institutional coordinators were asked to review the departmental listing provided in the survey packet and to indicate any changes in their departmental structure such as departments newly formed, phased out, split, or merged; they were also asked to check off any departments that had neither graduate students nor postdoctorates and for which survey questionnaires would therefore not be submitted. The revised Form 811s were returned to NSF's data processing contractor for use as a checklist in tracking departmental responses.

A survey questionnaire was completed for each department either centrally or at the department level and was returned to the data processing contractor for data entry, editing, and tabulation. Arithmetic errors, inconsistencies between items, and sharp year-to-year fluctuations were referred to the institutional coordinators for correction or clarification.

RESPONSE RATE

Of the 717 reporting units included in the fall 2000 survey, 708—or 98.7 percent—were able to provide at least partial data.

At the departmental level, 11,783 departments responded, or 99.0 percent of the 11,899 departments surveyed. Of these, 9,818 departments, or 82.5 percent of the total, provided complete responses. A total of 116 departments, or 1.0 percent of the departmental total, required complete imputation; 1,965, or 16.5 percent, had one or more data cells imputed. Technical table 4 presents the department response rates for earlier years for comparison.

Missing data for partially nonrespondent departments were imputed using the departments' previous year's data, where available, or data from peer institutions in cases where data had not been reported the previous year. Data for nonrespondent departments (those that did not provide any data) were imputed using data from the previous year, where available. The number of departments in doctorate- and master's-granting institutions that required total or partial imputation, and the numbers and proportions of full- and part-time graduate students and postdoctorates imputed, are shown in technical tables 5 and 6. Imputation rates by survey data item are provided in technical table 7.

CHANGES IN DATA ITEMS

Although NSF has attempted to maintain consistent trend data, some modifications in the survey question-naire have been made to respond to changing issues over the past 25 years. As a result, some data items are not available for all institutions in all years.

Major changes in the data collected are as follows:

From 1975 through 1977, data for master's-granting institutions were collected on a short form (i.e., an abbreviated form of the survey) that did not collect data on sex or citizenship of graduate students, nor any data on postdoctoral appointees. In 1978, a similar questionnaire was sent to doctorate-granting institutions; master's-granting institutions were not surveyed that year. This 1978 questionnaire did not collect data on mechanisms of support for full-time students. All mechanisms of support data for that year were combined on one line and appear as "other types of support" in any data tables. The 1978 figures shown in the tables for master's-granting institutions represent estimates based on 1977 and 1979 data. Beginning in 1979, the full-scale survey form was sent to both doctorate- and master's-granting institutions.

- Distribution by sex was originally requested only for full-time graduate students at doctorate-granting institutions. Beginning in 1976, master's-granting institutions were also asked to provide data on all graduate students by sex; in 1977, similar data were requested for all graduate students in all institutions. The short form used in 1978 did not request any information on sex; 1978 figures in the tables represent estimates based on 1977 and 1979 data.
- Citizenship data were collected only for graduate students enrolled full time in doctorate-granting institutions through 1977. No citizenship data were requested on the short form used for master'sgranting institutions in 1975 through 1977 and for doctorate-granting institutions in 1978. Data on citizenship of all full-time graduate students are available beginning in 1979 and on those enrolled part time since 1983.
- Racial/ethnic data were first requested in 1979 and became a standard item on the questionnaire in 1980.
- The support mechanisms of "fellowships and traineeships" were combined on one line until 1979, when separate data on the two mechanisms were first collected.
- "Other nonfaculty research staff with doctorates" were combined with postdoctoral appointees until 1979.
- Separate data on students receiving their primary support from the U.S. Department of Agriculture were first requested in 1985.
- Racial/ethnic data by sex were first requested in 1993 and became a standard item on the questionnaire in 1994.
- Separate data on students receiving their primary support from the National Aeronautics and Space Administration were first requested in 1996.
- A new Web-based reporting option was incorporated into the 1998 graduate student survey. Coordinators and departmental respondents both had the option of submitting their data through the World Wide Web. Using this new Web option, schools could avoid manually filling out the paper survey, and could obtain immediate feedback on their responses. This helped coordinators and departmental respondents ensure that their data were accurate and complete.

- Using this option also enabled respondents to upload their own data files, speeding up the reporting process.
- In 1999 separate data on students receiving their primary support from the Department of Energy were requested. In addition, respondents were presented with new Race/Ethnicity categories. The Asian/ Pacific Islander category, used in previous years' surveys, was separated into an Asian category and a Native Hawaiian/Pacific Islander category. Two new categories, More than One Race Hispanic and More than One Race Non-Hispanic, were also added to the survey. The Other category, included in previous year's surveys, was removed from the 1999 survey. Also, 1999 was the first year in which first-time enrollment by Race/Ethnicity was requested. These changes are not reflected in the 2000 published tables. This year and last, the data reported in the new categories were combined into the previous survey categories for table production. The data were collapsed into the following categories: the data in the "Asian" category were combined with those in the "Native Hawaiian/Pacific Islander" category; data in the "One Race Only Hispanic" category and the "More than One Race Hispanic" category were combined to produce the "Hispanic" category on the tables; and data in the "More than One Race Non-Hispanic" category were combined with the "Unknown" category to form the "Other or Unknown" category on the tables.

DATA REVISIONS

During the fall 1988 survey cycle, the criteria for including departments in the survey universe were tightened, and all departments surveyed were reviewed. Those departments not primarily oriented toward granting research degrees were no longer considered to meet the definition of science and engineering. As a result of this review, it was determined that a number of departments primarily those in the field of "Social sciences, not elsewhere classified"—were engaged in training primarily teachers, practitioners, administrators, or managers rather than researchers; these departments were deleted from the database. This process was continued during the 1989–97 survey cycles and expanded to ensure trend consistency for the entire 1975–97 period. As a result, total enrollments and social science enrollments for all years were reduced. The net effect of adjustments over the years is shown in technical table 8.

During the same period, the survey methodology changed so that the institution's highest S&E degree in the current year would apply to all previous years in which that institution was surveyed. Since a number of master's-granting institutions have become doctorate-granting institutions over the years, the result has been a smaller decrease in enrollment at doctorate-granting institutions than at master's-granting institutions. For the years 1975–76 and 1991–92, there was an increase in enrollment at doctorate-granting institutions after subsequent year modifications.

The definition of medical schools was revised during the fall 1992 survey cycle to include only those institutional components that are members of the Association of American Medical Colleges. Tables generated after the fall 1992 survey differ from their counterparts in earlier years in that they exclude schools of nursing, public health, dentistry, veterinary medicine, and other health-related disciplines; they should not be compared with tables from earlier years.

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Technical Table 1. The NSF data collection series: 1966-2000

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Year	Number of institutions	Number of reporting	Numb	er of depart surveyed	ments		ate enrollme rveyed field	
	surveyed	units surveyed	Total	Master's	Doctorate	Total	Full- time	Part- time
A. Graduate Traineeship Program								
1966 1967 1968 1969 1970	204 209 219 224 227 224	204 209 219 224 227 249	2,866 3,014 3,190 3,354 3,544 3,397	441 434 454 460 473 407	2,425 2,580 2,736 2,894 3,071 2,990	169,303 179,622 184,759 196,341 201,918 214,680	124,255 133,972 140,714 147,515 153,250 164,764	45,048 45,650 44,045 48,826 48,668 49,916
B. Survey of Graduate Students and Postdoctorates in Science and Engineering ²								
Doctorate institutions:								
1972 1973 1974 1975 1976	260 258 279 339 349	328 335 369 436 447	4,593 6,527 7,474 7,958 8,056	780 852 1,390 1,781 1,838	3,813 5,675 6,084 6,177 6,218	210,895 214,378 260,001 297,400 301,688	161,329 161,555 190,589 208,283 212,045	49,566 52,823 69,412 89,117 89,643
1977 1978 1979 1980 1981	350 328 366 365 363	452 436 481 480 476	8,284 8,261 8,530 8,634 8,557	1,971 1,874 2,043 2,090 2,085	6,313 6,387 6,487 6,544 6,472	310,269 303,275 319,564 329,168 335,870	214,505 210,265 218,548 224,663 228,491	95,764 93,010 101,016 104,505 107,379
1982 1983 1984 1985 1986	360 359 341 341 341	474 473 459 454 456	8,413 8,287 8,261 8,374 8,448	2,070 2,032 1,972 2,012 2,023	6,343 6,255 6,289 6,362 6,425	342,064 349,158 350,446 359,800 370,398	231,541 237,562 238,206 241,756 250,437	110,523 111,596 112,240 118,044 119,961
1987	345 364 365 364 364	462 482 483 482 482	8,564 8,851 8,974 9,121 9,319	2,028 2,153 2,167 2,216 2,240	6,536 6,698 6,807 6,905 7,079	376,059 382,724 390,387 404,402 419,993	255,043 260,856 268,066 276,847 289,479	121,016 121,868 122,321 127,555 130,514
1992 1993 1994 1995 1996	364 364 363 362 363	482 482 481 480 481	9,555 9,746 9,955 10,130 10,145	2,288 2,299 2,355 2,406 2,457	7,267 7,447 7,600 7,724 7,688	439,470 448,031 448,679 443,058 437,590	303,786 309,940 311,583 308,052 306,851	135,684 138,091 137,096 135,006 130,739
1997 1998 1999 2000	362 362 361 360	484 483 482 481	10,117 10,195 10,306 10,349	2,527 2,535 2,502 2,545	7,590 7,660 7,804 7,804	430,875 428,156 434,300 435,612	304,696 303,777 310,174 316,531	126,179 124,379 124,126 119,081

							Р	age 2 of 2
Year	Number of institutions	Number of reporting	Numb	er of depart surveyed	ments		ate enrollme rveyed field	
	surveyed	units surveyed	Total	Master's	Doctorate	Total	Full- time	Part- time
Master's institutions:								
1975 ³ 1976 1977 1978 ⁴	247 247 253 272	247 247 253 272	1,046 1,055 1,109 1,248	1,046 1,055 1,109 1,248	na na na	31,150 32,067 35,147 36,637	11,404 11,401 12,271 12,765	19,74 20,66 22,87 23.87
1978	265 263	265 263	1,157 1,165	1,246 1,157 1,165	na na na	38,045 37,943	13,242 13,785	24,80 24,1
1981	261 251 251	261 251 251	1,172 1,172 1,181	1,172 1,172 1,181	na na na	39,288 40,270 41,316	13,585 13,255 14,493	25,7 27,0 26,8
1984 ⁵	71 71 71	71 71	530 537 537	530 537 537	na na	44,224 44,221	15,716 15,531	28,5 28,6
1986° 1987 ⁵ 1988	71 71 242	71 71 242	540 1,165	540 1,165	na na na	45,122 45,438 41,868	15,731 16,013 14,329	29,3 29,4 27,5
1989 1990 1991	244 246 245	244 246 245	1,214 1,238 1,280	1,214 1,238 1,280	na na	44,165 47,769 51,291	14,645 15,976 17,576	29,5 31,7 33,7
1991 1992 1993	243 244 242	243 244 242	1,318 1,358	1,260 1,318 1,358	na na na	54,154 56,378	18,823 19,761	35,7 35,3 36,6
1994 1995	242 241	242 241	1,411 1,437	1,411 1,437	na na	55,837 56,692	20,566 21,304	35,2 35,3
1996 1997	240 239	240 239	1,435 1,473	1,435 1,473	na na	56,605 56,441	21,777 22,689	34,8 33,7
1998 1999 2000	239 238 236	239 238 236	1,491 1,523 1,550	1,491 1,523 1,550	na na na	57,604 59,110 58,982	23,745 24,247 25,590	33,8 34,8 33,3

The 1972 survey also collected selected data for 1971.

KEY: na = Not available

² The name of the survey was changed in 1981 to specify the inclusion of engineering.

The 1976 survey also collected 1975 data from master's-granting institutions.

Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

Master's-granting institutions were surveyed on a sample basis from 1984-87. See "Technical Notes" for further information.

Technical Table 2. Number of science, engineering, and health departments in doctorate-granting institutions, by detailed field: 1993-2000

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							F	age 1 of 2
Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	9,746	9,955	10,130	10,145	10,117	10,195	10,306	10,349
Total, science and engineering fields	6,999	7,138	7,258	7,253	7,270	7,331	7,404	7,450
Sciences, total	5,649	5,752	5,846	5,827	5,822	5,861	5,914	5,935
Physical sciences, total Astronomy Chemistry Physics Physical sciences, n.e.c.	578 34 276 251	579 34 275 253	587 35 275 255	581 35 275 251	583 35 276 254	587 36 275 256	588 36 279 250	586 38 276 246
Earth, atmos., & ocean sci., total Atmospheric sciences Geosciences Oceanography Earth, atmos., & ocean sci., n.e.c.	330 31 204 45 50	339 32 208 46 53	22 353 33 212 50 58	20 350 33 212 48 57	352 32 209 49 62	20 361 33 208 54 66	23 360 32 205 56 67	26 363 33 204 55 71
Mathematical sciences, total	391 313 78	397 316 81	402 319 83	402 318 84	400 317 83	397 315 82	397 314 83	394 309 85
Computer sciences	264	272	283	290	294	301	310	321
Agricultural sciences	312	318	324	318	328	333	327	330
Biological sciences, total Anatomy Biochemistry Biology Biometry/epidemiology Biophysics	1,959 101 189 240 69 33	1,986 101 190 239 71 33	2,002 98 192 239 72 33	1,982 97 191 241 72 34	1,953 93 191 247 72 31	1,970 90 191 251 73 31	1,989 88 193 252 73 31	1,978 86 186 251 73
Botany Cell biology Ecology Entomology/parasitology Genetics Microbio., immunology, & virology	103 113 27 49 79 257	104 121 31 49 82 258	101 125 31 48 84 262	98 125 30 48 83 261	95 126 29 48 82 251	94 139 30 49 82 254	88 140 35 47 84 261	86 147 36 46 86 260
Nutrition Pathology Pharmacology Physiology Zoology Biosciences, n.e.c.	117 143 168 146 49 76	122 143 169 144 49	126 144 169 146 48	125 139 164 144 44 86	123 138 159 138 40	124 135 158 133 39	125 134 162 133 39	124 132 160 130 35 110
Psychology, total Psychology, general Clinical psychology Psychology, n.e.c.	529 173 115 241	545 175 117 253	561 173 124 264	566 170 128 268	573 173 131 269	576 175 130 271	592 178 132 282	598 182 132 284
Social sciences, total Agricultural economics Anthropology (cultural & social) Economics (except agricultural) Geography History and philosophy of science Linguistics Political science Sociology Sociology/anthropology Social sciences, n.e.c.	1,286 53 130 205 100 20 69 326 181 25	1,316 54 132 208 101 21 69 332 182 26 191	1,334 55 135 207 102 21 70 338 183 25	1,338 55 135 201 100 23 72 339 180 25 208	1,339 55 138 201 101 23 71 341 177 25 207	1,336 55 135 199 102 23 70 342 177 24 209	1,351 55 135 200 102 24 71 345 178 24 217	1,365 55 133 199 102 26 72 349 177 24 228
Engineering, total Aerospace engineering Agricultural engineering Biomedical engineering Chemical engineering Civil engineering Electrical engineering Engineering science Industrial /manufacturing eng Mechanical engineering Metallurgical/materials eng. Mining engineering Nuclear engineering Petroleum engineering Engineering, n.e.c.	1,350 50 40 56 142 206 221 39 152 187 103 30 25 20 79	1,386 52 38 57 143 216 228 41 161 189 106 29 26 20 80	1,412 53 38 59 143 222 233 39 164 191 108 26 26 21	1,426 52 38 61 145 231 237 36 167 191 109 24 24 20 91	1,448 54 38 64 145 235 241 36 168 191 114 24 23 18	1,470 54 38 72 145 238 244 38 168 192 115 24 24 17	1,490 56 39 77 148 245 244 40 166 192 114 24 24 16	1,515 57 40 81 149 250 248 39 172 191 111 25 24 18

Technical Table 2. Number of science, engineering, and health departments in doctorate-granting institutions, by detailed field: 1993-2000

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								age 2 or 2
Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, health fields	2,747	2,817	2,872	2,892	2,847	2,864	2,902	2,899
Medical fields, total	2,033	2,085	2,124	2,125	2,065	2,064	2,082	2,042
Anesthesiology	86	88	88	90	89	89	86	87
Cardiology	69	70	71	71	71	71	72	71
Oncology/cancer research	48	50	55	57	62	63	71	70
Endocrinology	72	74	74	74	71	71	72	70
Gastroenterology	68	71	71	71	68	68	68	68
Hematology	71	73	73	72	71	69	72	7
Neurology	146	154	155	152	155	157	164	162
Obstetrics and gynecology	96	96	96	95	90	91	91	8
Ophthalmology	81	81	81	79	79	79	78	76
Otorhinolaryngology	71	72	72	72	68	64	64	62
Pediatrics	111	115	116	118	111	112	110	110
Preventive medicine/community health	179	183	188	189	187	194	198	190
Psychiatry	103	107	107	104	102	101	100	9
Pulmonary disease	67	68	69	68	66	67	66	6-
Radiology	137	139	141	138	134	129	131	12
Surgery	246	251	257	259	245	244	246	240
Clinical medicine, n.e.c.	382	393	410	416	396	395	393	38
Other health fields, total	714	732	748	767	782	800	820	85
Dental sciences	91	88	87	86	81	78	79	82
Nursing	140	144	150	148	153	157	158	15
Pharmaceutical sciences	88	89	90	93	91	92	91	8
Speech pathology/audiology	135	137	138	139	141	142	144	15
Veterinary sciences	47	48	49	49	50	52	55	6
Health related, n.e.c.	213	226	234	252	266	279	293	316

KEY: n.e.c. = Not elsewhere classified

Technical Table 3. Number of science, engineering, and health departments in master's-granting institutions, by detailed field: 1993-2000

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							F	Page 1 of 2
Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	1,358	1,411	1,437	1,435	1,473	1,491	1,523	1,550
Total, science and engineering fields	1,184	1,227	1,239	1,225	1,251	1,261	1,273	1,284
Sciences, total	1,026	1,063	1,072	1,065	1,085	1,093	1,101	1,112
Physical sciences, total	112	113	110	106	110	109	106	101
Astronomy Chemistry	0 71	0 71	0 67	0 65	0 66	0 65	0 64	0 63
Physics	30	30	30	29	30	30	28	26 12
Physical sciences, n.e.c.	11	12	13	12	14	14	14	
Earth, atmos., & ocean sci., total Atmospheric sciences	50 1	52 1	58 2	58 2	61 2	62 2	62 1	64
Geosciences Oceanography	25 7	26 7	27 7	27 6	28 7	28 7	29 8	31 8
Earth, atmos., & ocean sci., n.e.c.	17	18	22	23	24	25	24	24
Mathematical sciences, total Mathematics & applied mathematics Statistics	97 92 5	98 93 5	98 93 5	97 93 4	100 96 4	99 95 4	99 95 4	97 93 4
Computer sciences	78	81	82	83	82	83	87	96
Agricultural sciences	26	32	33	31	30	31	31	28
Biological sciences, total	164	164	168	166	169	169	170	175
Anatomy Biochemistry	0 3	0 4	0 4	0 4	0 4	0 4	0	0
Biology	125	123	123	124	125	125	125	123
Biometry/epidemiology Biophysics	0 0	0	0	0	0	0 0	0	0
Botany	2	2	2	2	2	2	2	2
Cell biology Ecology	1 3	1	2	1 2	3 4	3 4	3 4	4 5
Entomology/parasitology Genetics	0	0	0	0	0 1	0	0 2	0 2
Microbio., immunology, & virology	2	2	2	2	3	2	2	3
Nutrition Pathology	11 2	13 2	15 2	15 2	13 1	14 1	14 1	14 1
Pharmacology	1	0	0	0	0	1	1	1
Physiology Zoology	0 2	0 2	0 2	0 2	0 2	0 2	1 2	2 2
Biosciences, n.e.c.	11	11	12	11	11	10	10	13
Psychology, total	223	231	228	230	238	237	244	244
Psychology, generalClinical psychology	85 30	85 34	84 34	85 34	85 36	85 36	85 38	86 38
Psychology, n.e.c.	108	112	110	111	117	116	121	120
Social sciences, total	276	292	295	294	295	303	302	307
Agricultural economics Anthropology (cultural & social)	3 11	3 11	3 11	3 11	3 12	3 12	3 13	2 13
Economics (except agricultural) Geography	30 22	30 22	31 22	32 22	32 22	33 22	32 23	32 22
History and philosophy of science	0	0	0	0	0	2	2	3
Linguistics Political science	7 96	7 103	7 105	7 105	7 103	7 103	7 105	7 109
Sociology	40	41	42	40	42	43	43	42
Sociology/anthropologySocial sciences, n.e.c.	2 65	2 73	2 72	2 72	2 72	1 77	1 73	1 76
Engineering, total	158	164	167	160	166	168	172	172
Aerospace engineeringAgricultural engineering	2 0	4	4	3 0	3	3 0	3	3
Biomedical engineering	4	4	4	3	4	4	4	4
Chemical engineeringCivil engineering	6 26	6 28	7 31	7 31	7 31	7 30	6 29	6 28
Electrical engineering	37 2	37 2	39	39	40	40 2	43	44
Engineering scienceIndustrial /manufacturing eng.	27	27	29	27	27	30	31	29
Mechanical engineering Metallurgical/materials eng	20 6	20 6	21 5	19 4	20 5	21 4	22 4	23 3
Mining engineering	4	4	2	2	2	2	2	2
Nuclear engineering Petroleum engineering	0	0 1	0 1	0	0	0 1	0 1	0
Engineering, n.e.c.	23	25	22	22	24	24	25	27

Technical Table 3. Number of science, engineering, and health departments in master's-granting institutions, by detailed field: 1993-2000

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1993 174 12	1994 184	1995 198	1996	1997	1998	1999	2000
	184	198					
12		100	210	222	230	250	266
	15	16	14	15	17	19	19
3	3	3	2	3	3	3	
0	0	0	0	0	0	0	,
0	0	0	0	0	0	0	,
0	0	0	0	0	0	0	(
0	0	0	0	0	0	0	,
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	,
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	,
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
6	7	7	7	7	8	9	
1	2	2	1	1	1	1	
0	0	0	0	0	0	0	
0	0	1	1	1	1	1	
0	0	0	0	0	0	0	
2	3	3	3	3	4	5	(
162	169	182	196	207	213	231	24
0	0	0	0	0	0	0	
51	54	63	66	70	71	80	8
2	1	1	1	1	2	2	
54	55	57	61	63	65	67	6
0	0	0	0	0	0	0	-
55	59	61	68	73	75	82	92
	0 51 2 54 0	0 0 51 54 2 1 54 55 0 0	0 0 0 51 54 63 2 1 1 54 55 57 0 0 0	0 0 0 0 0 51 54 63 66 2 1 1 1 54 55 57 61 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

KEY: n.e.c. = Not elsewhere classified

Technical Table 4. Original departmental response rates: 1975-2000

Year	Total	Complete response	Percent	Partial response	Percent	Non- response	Percent
1975 1 1976 1977 1978 2 1980 1981	9,162 9,275 9,513 8,242 9,796 9,930 9,917 9,776	8,998 9,148 9,432 8,077 9,446 9,593 8,594 8,104	98.2 98.6 99.1 98.0 96.4 96.6 86.7 82.9	na na na na na 613 744	na na na na na 6.2 7.6	na na na na na 710 928	na na na na na 7.2 9.5
1983 1984 ³ 1985 ³ 1986 ³ 1987 ³	9,663 8,748 9,025 9,097 9,254 10,295	7,490 7,818 7,817 8,030 8,812	83.5 85.6 86.6 85.9 86.8 85.6	816 643 672 779 715 970	8.4 7.4 7.4 8.6 7.7 9.4	777 615 535 501 509 513	5.0 7.0 5.9 5.5 5.5 5.0
1989 1990 1991 1992 1993	10,318 10,483 10,705 10,936 11,146	8,908 8,884 9,052 9,066 9,156	86.3 84.7 84.6 82.9 82.1	891 1,053 1,186 1,538 1,555 2,109	8.6 10.0 11.1 14.1 14.0	519 546 467 332 435	5.0 5.2 4.4 3.0 3.9
1995 1996 1997 1998 1999	11,598 11,592 11,597 11,718 11,833 11,899	9,514 9,851 9,720 9,822 9,396 9,818	82.0 85.0 83.8 83.8 79.4 82.5	1,730 1,522 1,665 1,706 2,289 1,965	14.9 13.1 14.4 14.6 19.3 16.5	354 219 212 190 148 116	3.1 1.9 1.8 1.6 1.3 1.0

¹ The 1976 survey also collected 1975 data from master's-granting institutions.

NOTE: Departments providing partial responses are included in the complete response column prior to 1981 and reported separately beginning in 1981.

KEY: na = Not available

² Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

³ These figures include estimated data for master's-granting institutions, which were surveyed on a sample basis from 1984-87. See "Technical Notes" for further information.

Technical Table 5. Imputation for nonresponse in doctorate-granting institutions, by field and enrollment status: 1998-2000

	Numb grad					Grad	luate enrol	lment			
Area of science and engineering	depart	ments	Т	otal in surv	еу	Nu	mber impu	ited	Imputation rate (percent)		
	In Totally universe imputed		Full- time	Part- time	Postdoc- torates	Full- time	Part- time	Postdoc- torates	Full- time	Part- time	Postdoc- torates
					•	Fall 2000		•			
Total, all areas	10,349	103	316,531	119,081	41,548	2,126	2,236	122	0.7	1.9	0.3
Physical sciences Earth, atmospheric, & ocean	586	3	26,104	3,259	5,880	12	17	0	.0	.5	.0
sciences Mathematical sciences Computer sciences Agricultural sciences Biological sciences Psychology Social sciences Engineering Health fields	363 394 321 330 1,978 598 1,365 1,515 2,899	1 3 5 0 11 16 21 14 29	10,114 11,173 23,282 8,644 45,363 28,562 48,885 70,969 43,435	2,605 2,771 16,404 2,226 7,266 9,686 23,116 28,166 23,582	1,135 375 352 777 16,093 698 435 3,208 12,595	3 24 130 0 271 535 338 177 636	24 40 243 0 83 262 590 192 785	0 0 0 64 1 2 13 42	.0 .2 .6 .0 .6 1.9 .7 .2	.9 1.4 1.5 .0 1.1 2.7 2.6 .7 3.3	.0 .0 .0 .0 .4 .1 .5 .4
	Fall 1999										
Total, all areas	10,306	122	310,174	124,126	40,194	4,296	2,991	472	1.4	2.4	1.2
Physical sciences Earth, atmospheric, & ocean	588	8	26,183	3,376	6,043	328	41	42	1.3	1.2	.7
sciences Mathematical sciences Computer sciences Agricultural sciences Biological sciences Psychology Social sciences Engineering Health fields	360 397 310 327 1,989 592 1,351 1,490 2,902	3 6 4 14 13 23 16 29	10,049 11,200 20,267 8,648 45,287 28,726 49,626 66,471 43,717	2,763 3,141 15,311 2,488 7,869 10,903 23,896 29,566 24,813	919 348 328 709 15,856 703 452 3,173 11,663	47 110 219 178 500 626 660 668 960	1 42 177 77 155 425 742 633 698	6 0 8 210 10 5 39 152	.5 1.0 1.1 2.1 1.1 2.2 1.3 1.0 2.2	.0 1.3 1.2 3.1 2.0 3.9 3.1 2.1 2.8	.7 .0 .0 1.1 1.3 1.4 1.1 1.2
						Fall 1998					
Total, all areas	10,195	167	303,777	124,379	39,443	4,628	2,688	758	1.5	2.2	1.9
Physical sciences Earth, atmospheric, & ocean	587	6	25,943	3,514	5,885	114	8	9	.4	.2	.2
sciences Mathematical sciences Computer sciences Agricultural sciences Biological sciences Psychology Social sciences Engineering Health fields	361 397 301 333 1,970 576 1,336 1,470 2,864	6 5 7 4 26 15 19 9 70	9,992 11,150 18,129 8,545 45,174 29,015 50,139 63,870 41,820	2,929 3,432 14,247 2,488 7,763 11,321 23,101 30,355 25,229	893 274 365 662 15,492 606 389 2,835 12,042	135 268 307 88 955 785 584 443 949	30 75 93 22 82 310 687 334 1,047	44 4 8 7 175 8 0 21 482	1.4 2.4 1.7 1.0 2.1 2.7 1.2 .7 2.3	1.0 2.2 .7 .9 1.1 2.7 3.0 1.1 4.1	4.9 1.5 2.2 1.1 1.1 1.3 .0 .7 4.0

Technical Table 6. Imputation for nonresponse in master's-granting institutions, by field and enrollment status: 1998-2000

	Numb grad					Grad	duate enrol	lment			
Area of science and engineering	depart		T	otal in surv	еу	Nu	ımber impu	ited	Imputation rate (percent)		
	In universe	Totally imputed	Full- time	Part- time	Postdoc- torates	Full- time	Part- time	Postdoc- torates	Full- time	Part- time	Postdoc- torates
						Fall 2000					
Total, all areas	1,550	13	25,590	33,392	89	186	583	0	0.7	1.7	0.0
Physical sciences Earth, atmospheric, & ocean	101	0	448	652	68	0	0	0	.0	.0	.0
sciences Mathematical sciences Computer sciences Agricultural sciences Biological sciences Psychology Social sciences Engineering Health fields	64 97 96 28 175 244 307 172 266	0 1 1 0 2 3 5 0 1	445 559 3,362 469 1,663 6,504 3,844 1,636 6,660	776 1,143 4,546 345 2,202 5,937 7,614 3,830 6,347	0 2 3 2 4 2 4 2 2	0 4 21 0 54 69 34 0 4	0 7 63 0 18 88 312 0 95	000000000000000000000000000000000000000	.0 .7 .6 .0 3.2 1.1 .9 .0	.0 .6 1.4 .0 .8 1.5 4.1 .0	.0 .0 .0 .0 .0 .0 .0
	Fall 1999										
Total, all areas	1,523	22	24,247	34,863	87	537	694	0	2.2	2.0	0.0
Physical sciences Earth, atmospheric, & ocean	106	2	452	680	64	1	2	0	.2	.3	.0
sciences Mathematical sciences Computer sciences Agricultural sciences Biological sciences Psychology Social sciences Engineering Health fields	62 99 87 31 170 244 302 172 250	0 1 0 3 7 4 0 5	435 596 2,441 508 1,820 5,979 3,671 1,552 6,793	836 1,320 4,541 344 2,139 6,256 7,815 4,102 6,830	2 0 2 2 5 6 0 4 2	0 5 0 0 65 272 25 0 169	0 7 0 33 265 275 0 112	0 0 0 0 0 0 0 0 0	.0 .8 .0 .0 3.6 4.5 .7 .0 2.5	.0 .5 .0 .0 1.5 4.2 3.5 .0	.0 0 .0 .0 .0 .0 .0
						Fall 1998					
Total, all areas	1,491	20	23,745	33,859	104	424	549	28	1.8	1.6	26.9
Physical sciencesEarth, atmospheric, & ocean sciences	109 62	2 1	448 452	670 885	79 4	15 3	21 8	28 0	3.3 .7	3.1 .9	35.4
Mathematical sciences Computer sciences Agricultural sciences Biological sciences Psychology Social sciences Engineering Health fields	99 83 31 169 237 303 168 230	1 1 0 0 6 8 0 1	601 1,843 441 1,818 6,133 3,683 1,565 6,761	1,302 3,808 370 2,239 6,088 7,108 4,248 7,141	0 3 1 6 6 0 4 1	1 8 0 0 282 102 0 13	0 6 0 321 147 0 46	0 0 0 0 0 0	.2 .4 .0 .0 4.6 2.8 .0	.0 .2 .0 .0 5.3 2.1 .0	0 .0 .0 .0 .0 .0

Technical Table 7. Imputation rates for all departments at all graduate institutions: fall 2000

[Number of imputed departments = 1,939]

Item 5. Full-time graduate students by source and mechanism of the largest amount of support received

	Students receiving financial assistance												
			Federal	al sources (excluding loans)						ederal so			
Mechanism of support and sex of full-time S&E graduate students	DoD	NIH	Other HHS	NSF	Dept. of Agr.	NASA	DOE	Other Federal sources	Inst.	Foreign sources	Other U.S. sources	Self support (includ. loans & family sources)	Total for all sources (sum of columns A - L)
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Full-time graduate S&E students:													
Graduate fellowships	19.9 21.7 14.8 N/A 50.6	18.8 11.6 9.8 13.5 10.8	33.6 15.4 3.8 10.8 7.7	10.4 20.8 12.3 10.5 7.0	10.3 33.3 2.0 19.1 0.0	9.4 0.0 12.4 0.0 0.0	0.6 0.0 1.9 0.0 0.0	8.6 10.4 12.2 3.6 11.4	12.0 9.6 11.2 11.6 13.0	14.4 7.6 N/A	17.2 23.8 11.0 10.1 16.0	N/A N/A N/A N/A 19.3	12.3 12.3 10.0 10.4 18.1
Full-time total	22.7	11.0	13.2	12.1	3.0	11.4	1.8	11.0	11.6	11.4	13.3	19.3	0.7
Full-time women	21.3	12.3	14.0	11.0	3.5	12.4	2.8	13.0	14.6	10.1	17.7	24.6	1.3

Items 6 and 7. Race/ethnicity of part-time and full-time graduate students by sex

				U.S. citizens	and perm	anent reside	ents				
		ne race or	nly: Non-Hi	spanic/Latin	0	One race only	More th	nan one ce			
Enrollment status and sex of S&E graduate students	Black/ African American	American Indian/ Alaska Native	Asian American	Native Hawaiian/ Pacific Islander	White	Hispanic/ Latino	Hispanic/ Latino	Non- Hispanic/ Latino	Unknown	Foreign (temporary visa holders)	Total (sum of columns A - J)
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
Item 6 Part-time, total Men enrolled part-time	5.0 5.6	1.5 2.6	2.1 2.1	0.7 1.3	3.9 4.0	2.8 2.8	0.1 0.4	0.0	5.1 4.5	3.1 3.3	1.9 2.2
Women enrolled part-time	4.9	0.8	2.2	0.0	4.2	3.1	0.0	0.0	5.9	3.3	2.7
Item 7 Full-time, total Men enrolled full-time Women enrolled full-time	3.8 3.5 4.3	1.1 1.4 1.1	1.6 1.5 1.6	2.0 3.3 0.6	3.4 3.7 3.6	3.0 3.4 3.0	0.1 0.0 0.2	0.8 2.0 9.3	2.1 3.2 1.4	3.3 3.6 2.9	0.7 1.8 1.3
Full-time first-time total 1 Full-time first-time women	na na	na na	na na	na na	na na	na na	na na	na na	na na	na na	0.7 0.9

Item 8. S&E postdoctorates and nonfaculty research staff with doctorates

nom or call postacolo	Postdoctorates						
		Source o	f support			Other non-	
Sex and type of doctorate		Federal			Total		faculty research staff
	Fellow- ships	Trainee- ships	Research grants	Non- Federal	for all sources (A - D)	Foreign postdoc- torates	with doctor- ates
	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Total	16.1	5.3	7.2	13.5	0.3	2.4	2.8
Women	14.3	4.1	7.3	8.8	2.6	2.3	3.0
With MD, DO, DDS or DVM degrees .	28.5	4.7	5.4	9.4	3.3	2.3	3.9

¹ Full-time first-time detail data not imputed

KEY:

DoD = Department of Defense
DOE = Department of Energy
HHS = Department of Health & Human Services
NASA = National Aeronautics & Space Administration
NIH = National Institutes of Health
NSF = National Science Foundation
N/A = Not applicable

N/A na Not applicableNot available

Technical Table 8. Comparison of graduate enrollment data as originally published and as modified through the fall 2000 graduate student survey cycle: 1975-2000

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	Total, all institutions			Doctorate-	granting ins	titutions	Master's-granting institutions			
Year	Original total	Revised total	Percent change	Original total	Revised total	Percent change	Original total	Revised total	Percent change	
	Total graduate enrollment in surveyed fields									
1975 ¹	336,843	328,550	-2.5	290,662	297,400	2.3	46,181	31,150	-32.5	
1976	345,979	333,755	-3.5	297,280	301,688	1.5	48,699	32,067	-34.2	
1977	362,978	345,416	-4.8	306,710	310,269	1.2	56,268	35,147	-37.5	
1978 ²	na	339,912	na	311,982	303,275	-2.8	na	36,637	na	
1979	375,267	357,609	-4.7	321,770	319,564	7	53,497	38,045	-28.9	
1980	383,210	367,111	-4.2	333,658	329,168	-1.3	49,552	37,943	-23.4	
1981	392,034	375,158	-4.3	340,203	335,870	-1.3	51,831	39,288	-24.2	
1982	399,682	382,334	-4.3	347,414	342,064	-1.5	52,268	40,270	-23.0	
1983	413,564	390,474	-5.6	358,276	349,158	-2.5	55,288	41,316	-25.3	
1984 ³ 1985 ³ 1986 ³ 1987 ³	415,064 434,836 446,102 449,585 445,595	394,670 404,021 415,520 421,497 424,592	-4.9 -7.1 -6.9 -6.2 -4.7	363,470 371,052 384,203 388,681 391,683	350,446 359,800 370,398 376,059 382,724	-3.6 -3.0 -3.6 -3.2 -2.3	51,594 63,784 61,899 60,904 53,912	44,224 44,221 45,122 45,438 41,868	-14.3 -30.7 -27.1 -25.4 -22.3	
1989	440,983	434,552	-1.5	385,025	390,387	1.4	55,958	44,165	-21.1	
1990	458,943	452,171	-1.5	398,405	404,402	1.5	60,538	47,769	-21.1	
1991	475,691	471,284	9	411,296	419,993	2.1	64,395	51,291	-20.3	
1992	495,397	493,624	4	427,792	439,470	2.7	67,605	54,154	-19.9	
1993	506,678	504,409	4	440,875	448,031	1.6	65,803	56,378	-14.3	
1994	506,626	504,516	4	441,480	448,679	1.6	65,146	55,837	-14.3	
1995	501,510	499,750	4	436,328	443,058	1.5	65,182	56,692	-13.0	
1996	494,526	494,195	1	430,631	437,590	1.6	63,895	56,605	-11.4	
1997	487,104	487,316	.0	424,650	430,875	1.5	62,454	56,441	-9.6	
1998	485,754	485,760	.0	422,834	428,156	1.3	62,920	57,604	-8.4	
1999	493,425	493,410	.0	432,657	434,300	.4	60,768	59,110	-2.7	
2000	494,594	na	na	435,612	na	na	58,982	na	na	
			-		Full-time					
1975 ¹	228,316	219,687	-3.8	210,641	208,283	-1.1	17,675	11,404	-35.5	
1976	233,748	223,446	-4.4	215,355	212,045	-1.5	18,393	11,401	-38.0	
1977	238,202	226,776	-4.8	218,226	214,505	-1.7	19,976	12,271	-38.6	
1978 ²	na	223,030	na	217,588	210,265	-3.4	na	12,765	na	
1979	243,331	231,790	-4.7	224,057	218,548	-2.5	19,274	13,242	-31.3	
1980	249,111	238,448	-4.3	230,601	224,663	-2.6	18,510	13,785	-25.5	
1981	253,428	242,076	-4.5	234,529	228,491	-2.6	18,899	13,585	-28.1	
1982	255,959	244,796	-4.4	237,676	231,541	-2.6	18,283	13,255	-27.5	
1983	263,800	252,055	-4.5	243,646	237,562	-2.5	20,154	14,493	-28.1	
1984 ³ 1985 ³ 1986 ³ 1987 ³	264,146 269,319 279,235 285,200 288,619	253,922 257,287 266,168 271,056 275,185	-3.9 -4.5 -4.7 -5.0 -4.7	246,848 249,666 259,980 264,862 268,385	238,206 241,756 250,437 255,043 260,856	-3.5 -3.2 -3.7 -3.7 -2.8	17,298 19,653 19,255 20,338 20,234	15,716 15,531 15,731 16,013 14,329	-9.1 -21.0 -18.3 -21.3 -29.2	
1989 1990 1991 1992 1993	286,619 295,836 308,669 323,399 330,249	282,711 292,823 307,055 322,609 329,701	-1.4 -1.0 5 2 2	267,554 275,262 286,756 299,753 307,181	268,066 276,847 289,479 303,786 309,940	.2 .6 .9 1.3	19,065 20,574 21,913 23,646 23,068	14,645 15,976 17,576 18,823 19,761	-23.2 -22.3 -19.8 -20.4 -14.3	
1994	331,969	332,149	.1	307,964	311,583	1.2	24,005	20,566	-14.3	
1995	330,235	329,356	3	305,652	308,052	.8	24,583	21,304	-13.3	
1996	328,368	328,628	.1	303,586	306,851	1.1	24,782	21,777	-12.1	
1997	326,842	327,385	.2	301,573	304,696	1.0	25,269	22,689	-10.2	
1998	327,609	327,522	.0	301,544	303,777	.7	26,065	23,745	-8.9	
1999	334,405	334,421	.0	309,466	310,174	.2	24,939	24,247	-2.8	
2000	342,121	na	na	316,531	na	na	25,590	na	na	

Technical Table 8. Comparison of graduate enrollment data as originally published and as modified through the fall 2000 graduate student survey cycle: 1975-2000

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	Total, all institutions			Doctorate-	granting ins	titutions	Master's-granting institutions			
Year	Original total	Revised total	Percent change	Original total	Revised total	Percent change	Original total	Revised total	Percent change	
	Part-time									
1975 ¹	108,527	108,863	0.3	80,021	89,117	11.4	28,506	19,746	-30.7	
1976	112,231	110,309	-1.7	81,925	89,643	9.4	30,306	20,666	-31.8	
1977	124,776	118,640	-4.9	88,484	95,764	8.2	36,292	22,876	-37.0	
1978 ²	na	116,882	na	94,394	93,010	-1.5	na	23,872	na	
1979	131,936	125,819	-4.6	97,713	101,016	3.4	34,223	24,803	-27.5	
1980	134,099	128,663	-4.1	103,057	104,505	1.4	31,042	24,158	-22.2	
1981	138,606	133,082	-4.0	105,674	107,379	1.6	32,932	25,703	-22.0	
1982	143,723	137,538	-4.3	109,738	110,523	.7	33,985	27,015	-20.5	
1983	149,764	138,419	-7.6	114,630	111,596	-2.6	35,134	26,823	-23.7	
1984 ³ 1985 ³ 1986 ³ 1987 ³	150,918 165,517 166,867 164,385 156,976	140,748 146,734 149,352 150,441 149,407	-6.7 -11.3 -10.5 -8.5 -4.8	116,622 121,386 124,223 123,819 123,298	112,240 118,044 119,961 121,016 121,868	-3.8 -2.8 -3.4 -2.3 -1.2	34,296 44,131 42,644 40,566 33,678	28,508 28,690 29,391 29,425 27,539	-16.9 -35.0 -31.1 -27.5 -18.2	
1989	154,364	151,841	-1.6	117,471	122,321	4.1	36,893	29,520	-20.0	
1990	163,107	159,348	-2.3	123,143	127,555	3.6	39,964	31,793	-20.4	
1991	167,022	164,229	-1.7	124,540	130,514	4.8	42,482	33,715	-20.6	
1992	171,998	171,015	6	128,039	135,684	6.0	43,959	35,331	-19.6	
1993	176,429	174,708	-1.0	133,694	138,091	3.3	42,735	36,617	-14.3	
1994	174,657	172,367	-1.3	133,516	137,096	2.7	41,141	35,271	-14.3	
1995	171,275	170,394	5	130,676	135,006	3.3	40,599	35,388	-12.8	
1996	166,158	165,567	4	127,045	130,739	2.9	39,113	34,828	-11.0	
1997	160,262	159,931	2	123,077	126,179	2.5	37,185	33,752	-9.2	
1998	158,145	158,238	.1	121,290	124,379	2.5	36,855	33,859	-8.1	
1999	159,020	158,989	.0	123,191	124,126	.8	35,829	34,863	-2.7	
2000	152,473	na	na	119,081	na	na	33,392	na	na	

The 1976 survey also collected 1975 data from master's-granting institutions.

NOTE:

The percent change column is presented as a measure of retroactive changes in survey definitions. Three survey changes in the late 1980s and early 1990s had a retroactive effect on figures reported for earlier years. First, degree-granting status (doctorate or master's) used to be determined by an institution's status each year. Beginning in 1992, degree-granting status was determined by the status reported in the latest survey year. This change shifted numerous institutions (and students) from master's-granting to doctorate-granting categories for years before 1992. Second, in 1988 guidelines to determine S&E departments were tightened. This change meant retroactively dropping departments in fields like educational psychology, social work, and cultural studies from the survey population. Third, improved estimates were generated for years in which enrollments at master's-granting institutions were sampled (1984-87).

KEY: na = Not available

² Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

These figures include estimated data for master's-granting institutions, which were surveyed on a sample basis from 1984-87. See "Technical Notes" for further information.